● PRINTER RUSH ● (PTO ASSISTANCE)

Application :	09 05103	Y Examiner:	Woitach	GAU:	1632
From:	PAP	Location:	IDC FMF FDC	Date:	4114/05
		Tracking #:	06077 931	Week Date:	2/14/05
	DOC CODE 1449 105 CLM IIFW SRFW DRW OATH	DOC DATE	MISCELL Continuing Foreign Pri Document Fees Other	Data ority	
FIGURE	SSAGE: Pleas	ion: Chief se supply Lotte starms	a new dro	ung sl	neet for
<u>Figure</u>	Jabel.		Thank	you.	
[XRUSH] RI	ESPONSE:	Corrected		INT	ITIALS: PBR

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

Inventor: MCKENZIE ET AL.
Docket No.: 30562.6USWO
Title: IMPROVED NUCLEIC ACIDS ENCODING A CHIMERIC
GLYCOSYLTRANSFERASE
Serial No.: 09/051,034
Sheet 10 of 12

FIG.7

PIG H TRANSFERASE (SEQ. I.D. NOS: 3 and 4)

. M ATGT	W GG(V STC	P CCC	S	R CGCC	R CCC	H ACC	L TCT	C GTC	L TGA	T CCT	F TCC	L TGC	L	V TCT	C GTG	V 111	L TAG	A CA		20 60
A GCAA	т	F	F	ı	N	٧	Υ	Q	D	L	F	Υ .	S	G	L	D	L	L	Α		40 120
L CTGT	C	P	ח	н	N	V.	v	s	S	Р	٧	Α	I	F	С	L	Α	G	Т		60 180
P CCG	v	н	P	N	Α	s	D	s	С	Р	K	Н	Р	Α	S	F	S	G	Т		80 240
W TGG/	т	T	٧	P	ח	G	R	F	G	N	Q	М	G	Q	Υ	Α	T	L	L		100 300
A GCC	L CTG	A GCG	Q CAG	L CTC/	N AAC	G GGC(R CGC(Q CAG(A GCC	F TTC	I ATC	Q. CAG(P CCT(A GCC/			A SCCO				120 360
	P	V	F	R	т	т	ı.	Ρ	٧	L	Α	Р	Ε	٧	D	R	Ε	Α	I		140 420
W TGG	R CGG	E GAG	L CTG	E GAG	L CTT	H CAC	D GAC	W TGG/	M ATG	S TCC	E GAG	D GAT	Y TAT	A GCC	H CAC	L TTA	K AAG(R SAG(P		160 480
W TGG	L CTG	K SAAG	L	T ACC	G GGC	F TTC	P CCC	C TGC	S TCC	W TGG	T ACC	F TTC	F TTC	H CAC	H CAC	L CTC	R CGG(E SAG	Q CAG		180 540
I ATC	R CGC	S CAGO	E CGAG	F	T	L CTG	H CAC	D GAC	H CAC	L CTT	R CGG	Q CAA	E GAG	A GCC	Q CAG	G GGG	V GTA	L CTG	S AGT		200 600
Q CAG	F	R CG1	L ICTA	P	R CGC	T ACA	G GGG	D gÀČ	R CGC	P CCC	S AGC	T ACC	F TTC	V GTG	G GGG	V GTC	H CAC	V GTG	R CGC		220 660
R CGC	G GGG	D GGAC	Y CTAT	L	R CGT	V GTG	M ATG	P CCC	K AAG	R CGC	W TGG	K AAG	G GGG	V GTG	V GTG	G GGT	D GAC	G GGC	A GCT		240 720
Y TAC	L	Q CCAC	Q GCAG	.A GCT	M ATG	D GAC	W TGG	F	R CGG	A GCC	R CGA	Y. TAC	E GAA	A GCC	P	V GTC		V GTG	V GTC		260 780
T ACC	S AG	N CAAC	G CGGC	M CATO	E GAG	W STGG	C STGC	R CGG	K SAAG	N SAAC	I OTAC	D GAC	T	S	R CGG	G GGG	D GAC	V GTG	I		280 840
F	A GC	G TGG(D CGAT	G 1 000 1	R SCG	E GAG	A GCC	A GCG	P SCCC	A CGCC	R CAGO	D GAC	F TTT	A GCG	L SCT		V GTG		C TGC		300 900
N AAC	H CA	T CAC	I CATO	M CATO	T SAC(I	G GGC	T	F CTTC	G CGGC	F CTTC	W CTGC	A GCC	A CGc(Y CTAC	L	A GCT	G GGT	G GgA		320 960
D GAT	T FAC	I cat	Y CTA	L	A GGC	N TAAC	F CTTC	T	L	P 3CC	T CAC	S rtc(S CAGO	F TTC	L	K SAAC	I SATO	P TT	K		340 1020
P Cc(E CGA	A GGC	A TGC	F CTT	L CCT	F GCC	E CGAC	W STGC	V GGT(G GGG	I CAT	N TAAT	A TGC/	D AGA(L	S STC	P CC <i>P</i>	L	Q CAG		360 1080
			G TGG																36 10	5 98	